SAMSUNG

Washing Machine
Owner's Instructions

B1445A(V/S/C)
B1245A(V/S/C)
B1045A(V/S/C)
R1245A(V/S/C)
R1045A(V/S/C)
F1245A(V/S/C)
F1045A(V/S/C)

Register your product at
www.samsung.com/global/register
Code No.: DC68-01986J-01_EN

1. Silver Wash - Silver Nano Health System

Samsung's silver Nano feature uses silver nano particles to sanitize and disinfect your laundry and your machine's drum. Delicates as well as smelly socks will get odor - free from human sweat at temperature as low as 30 °C. That saves energy and protects color and shape of your clothes.

2. Child Lock

The Child Lock function keeps curious little hands out of the washer. This safety feature ensures, that children do not toy with the operation of the washer. It also alerts you when it is activated.

3. Economy

The Economy cycle allows the large washing machine to act like a smaller version and uses less water, detergent and electricity when handling lighter loads.

4. Delay Start

This function enables uses to delay the washing machine's starting time for up to 24 hours.

5. Delicates &Wool Program

Special care can be determined by the appropriate temperature, the gentle wash action and the appropriate amount of water.

Safety Precautions

Congratulations on your purchase of this Samsung washing machine. These Owner's Instructions contain valuable information on the installation, use, and care of this appliance. Please take the time to read these instructions so that you can take full advantage of the washing machine's features and enjoy this appliance for many years to come.

Before using the appliance

- Packing materials can be dangerous to children; keep all packing material (plastic bags, polystyrene, etc.) well out of the reach of children.
- The appliance is designed for home use only.
- Make sure that water and electrical connections are made by qualified technicians, observing the manufacturer's instructions (see "Installing the Washing Machine") and local safety regulations.
- All packaging and shipping bolts must be removed before the appliance is used. Serious damage may occur if they are not removed. See "Removing the shipping bolts".
- Before washing clothes for the first time, you must run a complete cycle without clothes. See "Washing for the first time".

Safety instructions

- Before cleaning or carrying out maintenance, unplug the appliance from the electrical outlet or set the ⏻ (On/Off) button to Off.
- Make sure that the pockets of all clothing to be washed are empty.
  Hard, sharp objects, such as coins, safety pins, nails, screws, or stones can cause extensive damage to the appliance.
- Always unplug the appliance and turn off the water after use.
- Before you open the door of the appliance, check that the water has drained. Do not open the door if you can still see water.
- Pets and small children may climb into the appliance. Check the appliance before each use.
- The glass door becomes very hot during the washing cycle. Keep children away from the appliance while it is in use.
- Do not attempt to repair the appliance yourself. Repairs made by inexperienced or unqualified persons may cause injury and/or make more serious repairs to the appliance necessary.
- If the plug (power supply cord) is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.
- This appliance should only be serviced by an authorized service center, and only genuine spare parts should be used.
- This appliance is not intended for use by young children or infirm persons unless they have been adequately supervised by a responsible person to ensure that they can use the appliance safely. Young children should be supervised to ensure that they do not play with the appliance.
- If this appliance is supplied from a cord extension set or an electrical portable outlet device, the cord extension set or electrical portable outlet device must be positioned so that it is not subject to splashing or ingress of moisture. Additionally, the cord extension set or electrical portable out let device must be of a current rating suitable for the appliance.
- This appliance has to be connected to the plug endurable to proper power consumption.
- This appliance has to be positioned so that the plug is accessible after installation.
- Do not use processed water containing oil, cream or lotion, which is usually found in skin-care shops or massage clinics. Otherwise this will cause the packing to be deformed, which causes a malfunction or water leak.
- A stainless washing tube does not usually rust. However if some metal such as a hair pin is left in the tube for an extended time, the tube could rust. Do not leave water or bleach containing chlorine in the tube for an extended period of time. Do not regularly use or leave water containing iron in the tube for an extended period of time. If rust starts appearing on the surface of the tube, apply a cleansing agent (neutral) to the surface and use a sponge or soft cloth to clean it. (Under no circumstances use a metal brush)
- For washing machines with ventilation openings in the base, that a carpet must not obstruct the openings.
- Use the new hose-sets and old hose-sets should not be reused.

● SAVE THESE INSTRUCTIONS

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This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

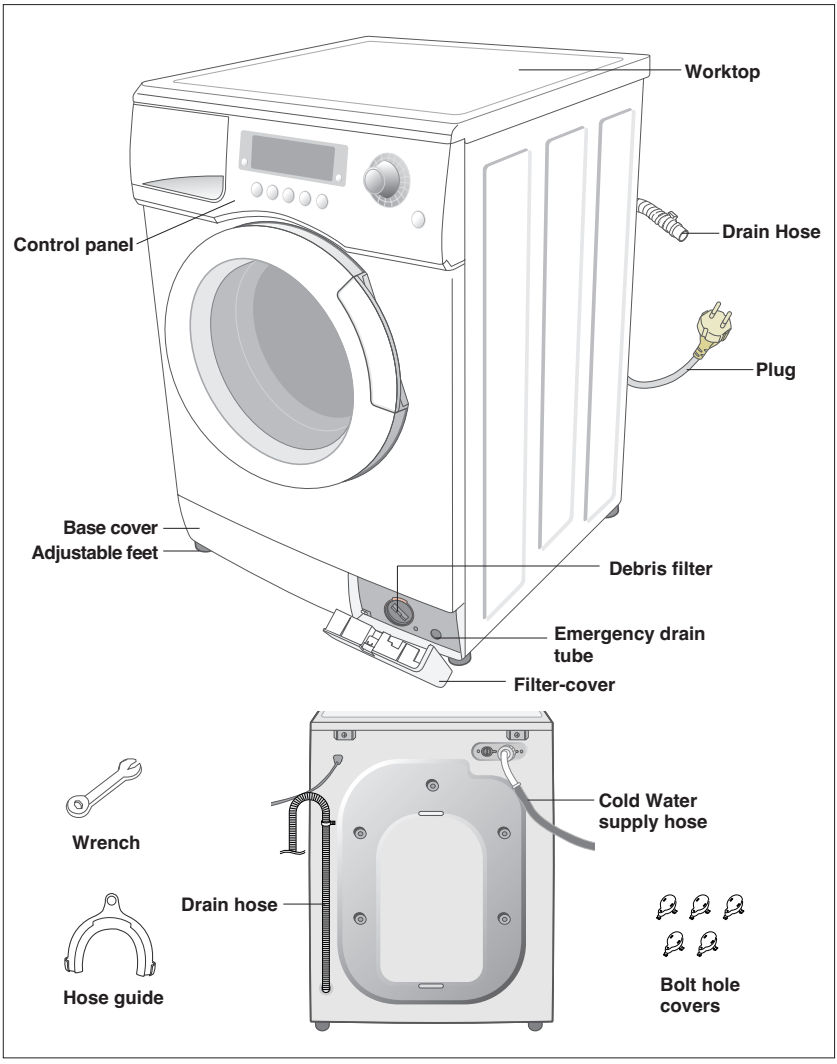
Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

Unpacking the Washing Machine

Unpack your washing machine and inspect it for shipping damage. Also make sure that you have received all of the items shown below. If the washing machine was damaged during shipping or you do not have all of the items, contact your Samsung dealer immediately.

Overview of the washing machine



Selecting a location

Before you install the washing machine, select a location with the following characteristics:

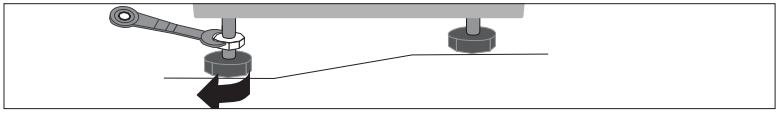
- A hard, level surface (if the surface is uneven, see "Adjusting the leveling feet," below)
- Away from direct sunlight.
- Adequate ventilation
- Room temperature that will not fall below 0 ˚C
- Away from sources of heat such as coal or gas

Make sure that the washing machine does not stand on its power cord.
Ventilation openings must not be obstructed by carpeting when the washing machine is installed on a carpeted floor.

Adjusting the leveling feet

If the floor is uneven, adjust the feet (do not insert pieces of wood or any other objects under the feet):

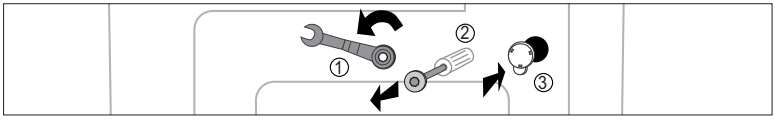
1. Loosen the leg bolt by turning it with your hand until it is at the desired height.
2. Tighten the locking nut by turning it with the supplied wrench.



- **Place the washer on a sturdy, flat surface.**
  If the washer is placed on an uneven or weak surface, noise or vibration occurs.
  (Only a 1 degrees angle is allowed.)

Removing the shipping bolts

Before using the washing machine, you must remove the five shipping bolts from the back of the unit. To remove the bolts:



1. Loosen all bolts with the supplied wrench before removing them.
2. Take each bolt head and pull it through the wide part of the hole.
   Repeat for each bolt.
3. Fill the holes with the supplied plastic covers.
4. Keep the shipping bolts for future use.

Connecting the water supply hose(Option)

1. Remove the adaptor from the water supply hose.			4. Connect the water supply hose to the adaptor. Pull down part (c) of the water supply hose. When you release part (c) the hose automatically connects to the adaptor making a 'click' sound.
2. First, using a "+" type screw driver, loosen the four screws on the adaptor. Next, take the adaptor and turn part(b) following the arrow until there is a 5mm gap.			5. Connect the other end of the water supply hose to the inlet water valve at the top of the washer. Screw the hose clockwise all the way in.
3. Connect adaptor to the water tap by tightening the screws firmly. Then, turn part (b) following the arrow and put(a) and (b) together.			• If the water tap has a screw type faucet, connect the water supply hose to the tap as shown.

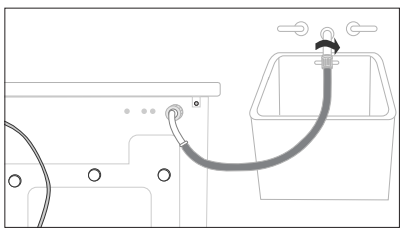
NOTICE *After completing connection, if water leaks from the hose, then repeat the same steps. Use the most conventional type of faucet for water supply. In case the faucet is square or too big, remove the spacing ring before inserting the faucet into the adaptor.*

Connecting the water supply hose

The water supply hose must be connected to the washing machine at one end and to the water faucet at the other. Do not stretch the water supply hose. If the hose is too short and you do not wish to move the water faucet, replace the hose with a longer, high pressure hose.

To connect the water supply hose:

1. Take the L-shaped arm fitting for the cold water supply hose and connect to the cold water supply intake on the back of the machine. Tighten by hand.



2. Connect the other end of the cold water supply hose to your sink's cold water faucet and tighten it by hand. If necessary, you can reposition the water supply hose at the washing machine end by loosening the fitting, rotating the hose, and retightening the fitting.

Option: 1. Take the red L-shaped arm fitting for the hot water supply hose and connect to the red hot water supply intake on the back of the machine. Tighten by hand.

2. Connect the other end of the hot water supply hose to your sink's hot water faucet and tighten it by hand.

3. Use a Y-piece if you only want to use cold water.

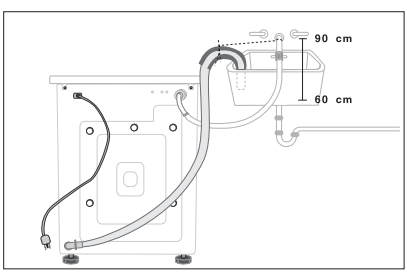
Note: The appliance is to be connected to the water mains using new hose-sets and that old hose-sets should not be used.

Positioning the drain hose

The end of the drain hose may be positioned in three ways:

Over the edge of a sink

The drain hose must be placed at a height of between 60 and 90 cm. To keep the drain hose spout bent, use the supplied plastic hose guide. Secure the guide to the wall with a hook or to the faucet with a piece of string to prevent the drain hose from moving.



In a sink drain pipe branch

The drain pipe branch must be above the sink siphon so that the end of the hose is at least 60 cm above the ground.

In a drain pipe

Samsung recommends that you use a 65 cm high vertical pipe; it must be no shorter than 60 cm and no longer than 90 cm.

Plugging in the machine

For European Users. You will **NOT** need to ground the plug of the washing machine.

For U.S. Users. You **MUST** ground the plug of the washing machine.

Check with a licensed electrician before using the machine to make sure it is properly grounded.

For U.K. Users.

Wiring Instructions

WARNING THIS APPLIANCE MUST BE EARTHED.

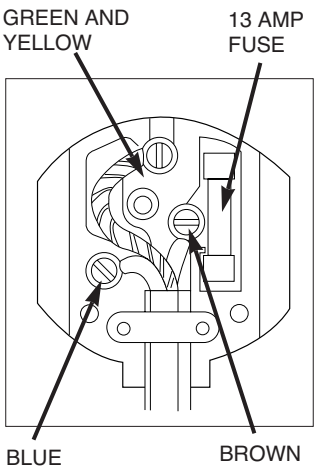
This appliance must be earthed. In the event of an electrical short circuit, earthing reduces the risk of electric shock providing an escape wire for the electric current. The appliance is equipped with a mains lead which includes an earth wire for connecting to the earth terminal of your mains plug.
The plug must be plugged into a socket that is properly installed and earthed.

*The wires in this mains lead are coloured in accordance with the following code:

- Green and yellow : Earth
- Blue : Neutral
- Brown : Live

- AS the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings indentifying the terminals in your plug, proceed as follows.
- Connect the green and yellow wire to the terminal in the plug marked with the letter E or the earth symbol (⏚) or coloured green or green-and-yellow.
- Connect the blue wire to the terminal marked with the letter N or coloured black.
- Connect the brown wire to the terminal marked with the letter L or coloured red.

* Consult a qualified electrician or service technician if in doubt about any of these instructions.
The manufacturer of this washing machine will not accept any liability for damage to persons or material for non observance of these requirements.
There are no user serviceable parts inside the washing machine and if the mains lead of this appliance is damaged, it must only be replaced by qualified service personnel approved by the manufacturer because special tools are required.



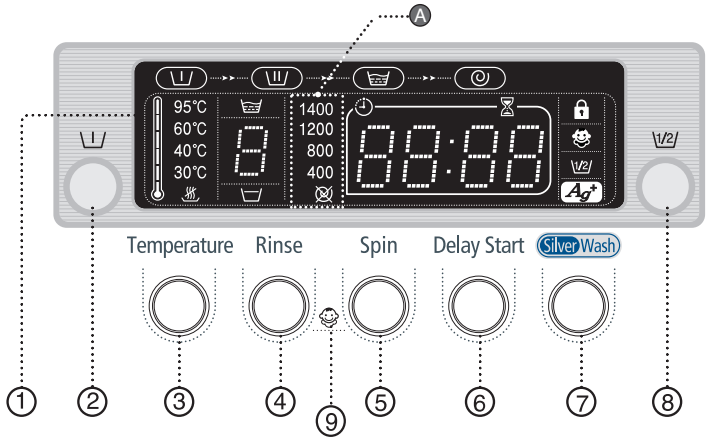
WARNING

Ensure that the plug and power cord are not damaged before use. If you have any reason to remove the moulded plug from this appliance, immediately remove the fuse and dispose of the plug.
Do not connect the plug to a mains socket under any circumstances as there is a danger of electric shock.

CIRCUITS

Your washing machine should be operated on a separate circuit from other appliances. Failure to do this may cause the circuit breaker to trip or the fuse to blow.

Overview of the control panel



※ This is a general manual. The INLAY system may be different from that of the product you purchased. For Ⓐ, see item 5 below to select the right specifications that match your product.

1. Digital graphic display

Displays the remaining wash cycle time,all of washing information and error messages.

2. Prewash selection button

Press the button to select pre-wash. Pre-wash is available only with Cotton, Coloureds, Synthetics, Delicates,baby programs.

3. Temperature selection button

Press the button repeatedly to cycle through the available water temperature options (cold water( ), 30 °C, 40 °C , 60 °C and 95 °C).

4. Rinse selection button

Press the rinse button to add rinse cycles. Maximum number of rinse cycles is five.

5. Spin selection button

Press the button repeatedly to cycle through the available spin speed options.

B1445A	, , 400, 800, 1200, 1400 rpm
B1245A/ R1245A/ F1245A	, , 400, 800, 1000, 1200 rpm
B1045A/ R1045A/ F1045A	, , 400, 600, 800, 1000 rpm

: no spin, : rinse hold

No spin

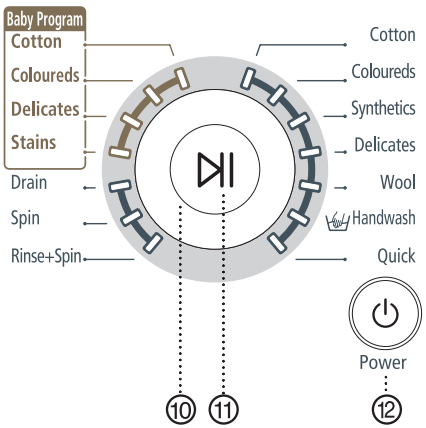
The laundry remains in the drum without being spun after the final drain

Rinse Hold

The laundry remains soaking in the final rinse water.
Before the laundry can be unloaded, either "Drain" or the "Spin" program must be run.

6. Delay Start selection button

Press the button repeatedly to cycle through the available delayed start options (from 3 hour to 24 hours in one hour increments).
Displayed hours means the time of finished washing-cycle.



7. Silver Nano selection button

Silver Nano water is supplied in washing as well as the last rinse, featuring sterilization and antibacterial coating.

8. Half Load selection button

Press the button in case of half load(about 1~4kg) washing. This function saves washing time and energy.

9. Child Lock selection button

This is a button for preventing children from manipulating the washing machine. On/Off - To set the program on: Press the Start/Pause button to turn on the washing machine. Press and hold down the [Rinse] + [Spin] button for 2-3 seconds. It can only be activated when the machine is turned on. Once you set the Child Lock on while in washing, no button is activated until you set if off. Even the POWER button will not be activated. The Child Lock lamp lights on. To set the program off: Press and hold down the [Rinse] + [Spin] button again for 2-3 seconds, then the lamp lights off and is set off.

Note: Check out the Child Lock button first when no button is activated while the washing machine is working.

10. Fuzzy Control dial

Turn the dial to select one of the 14 available wash programs.

Cotton, Coloureds, Synthetics, Delicates, Wool, Hand wash, Quick, Rinse+Spin, Spin, Drain, Baby Program(Stains, Delicates, Coloreds, Cotton)

11. Start/Pause selection button

Press to pause and restart programs.

12. ⏻ (On/Off) selection button

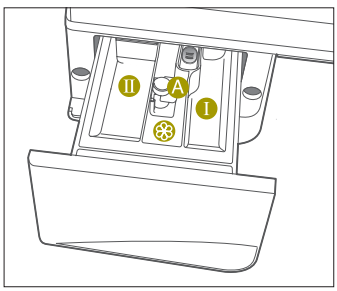
Press once to turn the washing machine on, press again to turn the washing machine off. If the washing machine power is left on for longer than 10 minutes without any buttons being touched, the power automatically turns off.

Washing for the first time

Before washing clothes for the first time, you must run a complete cycle without clothes.
To do this:

1. Press the ⏻(On/Off) button.
2. Pour a little detergent into compartment Ⅱ in the detergent drawer.
3. Turn on the water supply to the washing machine.
4. Press the Temperature button repeatedly until 40 ℃ is displayed.
5. Press the Start/Pause button.

- This will remove any water from the manufacturer's test run remaining in the machine.



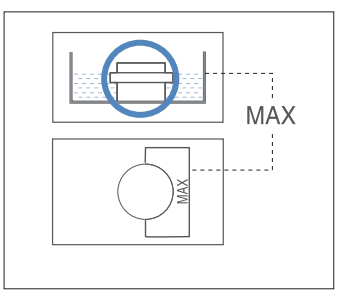
Dispender Ⅰ : Detergent for prewash or starch.
Dispenser Ⅱ : Detergent for main wash, water softener,pre-soaking agent, bleach and stain removal product.
Dispenser ❀ : Additives,e.g.fabric softener or former (fill no higher than lower edge of insert " A")

Putting detergent in the washing machine

1. Pull out the detergent drawer.
2. Add laundry detergent into compartment Ⅱ .
3. Add softener into compartment ❀ (if you desire).
4. Add prewash detergent into compartment Ⅰ (if you desire).

Caution :

Concentrated or thick fabric softener and conditioner must be diluted with a little water before being poured into the dispenser (prevents the overflow from becoming blocked.)



Washing clothes using Fuzzy Logic

Your new washing machine makes washing clothes easy, using Samsung's "Fuzzy Logic" automatic control system. When you select a wash program, the machine will set the correct temperature, washing time, and washing speed.

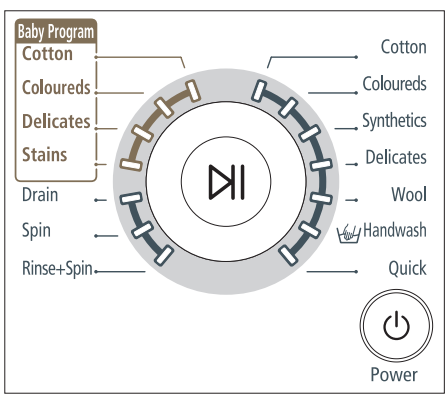
To wash clothes using the Fuzzy Logic programs:

1. Turn on your sink's water faucet.
2. Press the ⏻(On/Off) button.
3. Open the door.
4. Load the articles one at a time loosely into the drum, without overfilling.
5. Close the door.
6. Add the detergent, softener, and pre-wash detergent (if necessary) into the appropriate compartment.

   Note: Pre-wash is only available when washing Duvet, Bedding, Towel, Curtain, Cotton, Coloureds, Synthetics and Delicates programs. It is only necessary if your clothing is heavily soiled.

7. Turn the Fuzzy Control dial to select the appropriate program for the type of clothes Cotton, Coloureds, Synthetics, Delicates, Wool, Hand wash, Quick, Rinse+Spin, Spin, Drain, Baby Program(Stains, Delicates, Coloreds, Cotton)

   You will see the indicators light up on the control panel.



8. At this time, you can control the wash temperature, rinsing times, spin speed, delay time by pressing the appropriate option button.
9. Press the Start/Pause button on the Fuzzy Control dial and the wash cycle will begin. The process indicator will light up and the remaining time for the cycle will appear in the display.

When the cycle is finished:

After the total cycle has finished, the power will turn off automatically.

1. Open the door.

   Note: The door will not open untill 3 minutes after the machine stops or the power turns off.

2. Remove laundry.

Washing clothes manually

You can wash clothes manually without using the Fuzzy Logic feature. To do so:

1. Turn the water supply on.
2. Press the ⏻ (On/Off) button on the washing machine.
3. Open the door.
4. Load the articles one at a time loosely into the drum, without overfilling.
5. Close the door.
6. Put the detergent and, if necessary, softener or prewash detergent, in the appropriate compartments.
7. Press the Temperature button to select the temperature (cold water, 30˚C, 40˚C, 60˚C, 95˚C)
8. Press to rinse button to select the required number of rinse cycles. Maximum number of rinse cycles is five. The washing duration will be prolonged accordingly.
9. Press the Spin button to select the spin speed.

   Note: The rinse hold program allows you to take clothes that are dripping wet out of the washing machine.
   ⊠ : No Spin, ⌣ : Rinse Hold.
10. Press the button repeatedly to cycle through the available delayed start options (from 3 hour to 24 hours in one hour increments). Displayed hours means the time of finished washing-cycle.
11. Press the Start/Pause button and the machine will begin the cycle.

Using Delay Start

You can set the washing machine to finish your wash automatically at a later time, choosing from 3 to 24 hour delay (in 1 hour increments). Displayed hours means the time of finished washing-cycle.

To do this:

1. Manually or automatically set your washing machine for the type of clothes you are washing.
2. Press the Delay Start button repeatedly until the delay time is set.
3. Press the Start/Pause button. The Delay Start indicator will light, and the clock will begin counting down until it reaches your finish time.
4. To cancel Delay Start, press the ⏻(On/Off) button, then turn the washing machine on again.

Washing tips and hints

Sorting your laundry : Sort your laundry according to the following characteristics:

- **Type of fabric care label symbol :** Sort laundry into cottons, mixed fibers, synthetics, silks, wools and rayon.
- **Colour :** Divide whites and colours. Wash new, coloured items separately.
- **Size:** Placing items of different sizes in the same load will improve the washing action.
- **Sensitivity:** Wash delicate items separately, using the Delicate wash program for pure new wool, curtains and silk articles. Check the labels on the items you are washing or refer to the fabric care chart in the appendix.

Emptying pockets : Coins, safety pins and similar items can damage linen, the washing machine drum, and the water tank.

Securing fasteners : Close zippers and fasten buttons or hooks; loose belts or ribbons should be tied together.

Prewashing cotton : Your new washing machine, combined with modern detergents, will give perfect washing results, thus saving energy, time, water and detergent. However, if your cotton is particularly dirty, use a prewash with a protein-based detergent.

Determining load capacity: Do not overload the washing machine or your laundry may not wash properly. Use the chart below to determine the load capacity for the type of laundry you are washing.

Fabric Type	Load Capacity		
	B1445A/B1245A/ B1045A	R1245A/ R1045A	F1245A/ F1045A
Coloured/cotton			
-average/lightly soiled	6.0 kg	5.2 kg	4.5 kg
-heavily soiled	6.0 kg	5.2 kg	4.5 kg
Synthetics	3.0 kg	3.0 kg	3.0 kg
Delicates	2.5 kg	2.0 kg	2.0 kg
Wools	2.0 kg	1.5 kg	1.5 kg

Detergent tips: The type of detergent you should use is based on the type of fabric (cotton, synthetic, delicate items, wool), colour, wash temperature, degree and type of soiling. Always use "low suds" laundry soap, which is designed for automatic washing machines.

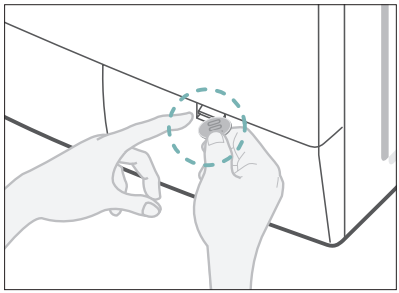
Follow the detergent manufacturer's recommendations based upon the weight of the laundry, the degree of soiling, and the hardness of the water in your area. If you do not know how hard your water is, ask your water authority.

Note: Keep detergents and additives in a safe, dry place out of the reach of children.

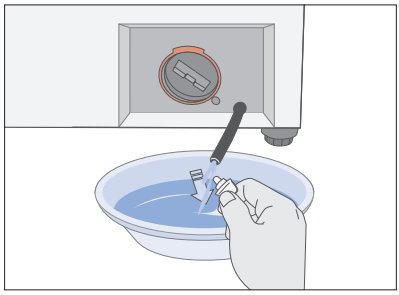
Draining the washing machine in an emergency

B1445A/B1245A/B1045A

1. Unplug the washing machine from the power supply.
2. Open the filter-cover by using a coin or a key.



3. Unscrew the emergency drain cap by turning left. Grip the cap on the end of the emergency drain tube and slowly pull it out about 15 cm.



4. Allow all the water to flow into a bowl.
5. Reinsert the drain tube and screw the cap back on.
6. Replace the filter-cover.

Repairing a frozen washing machine

If the temperature drops below freezing and your washing machine is frozen:

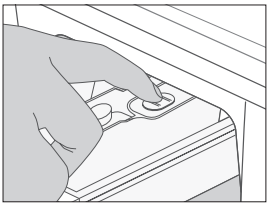
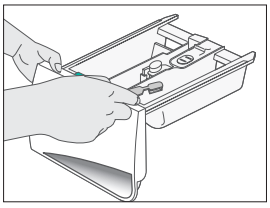
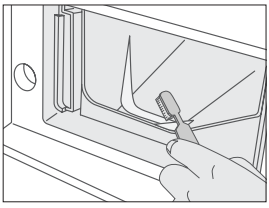
1. Unplug the washing machine.
2. Pour warm water on the source faucet to loosen the water supply hose.
3. Remove the water supply hose and soak it in warm water.
4. Pour warm water into the washing machine drum and let it sit for 10 minutes.
5. Reconnect the water supply hose to the water faucet and check if the water supply and drain operations are normal.

Cleaning the exterior

1. Wipe the washing machine surfaces, including the control panel, with a soft cloth and non-abrasive household detergents.
2. Use a soft cloth to dry the surfaces.
3. Do not pour water on the washing machine.

Cleaning the detergent drawer and recess

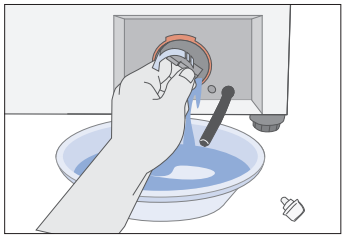
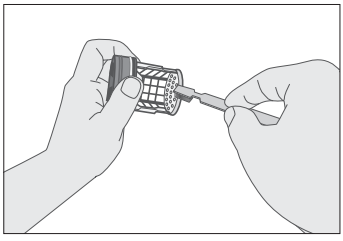
1. Press the release lever on the inside of the detergent drawer and pull it out.
2. Remove the cap from compartment ⑧ .
3. Wash all of the parts under running water.
4. Clean the drawer recess with an old toothbrush.
5. Reinsert the cap (Pushing it firmly into place) and replace the liquid detergent divider into the drawer.
6. Push the drawer back into place.
7. Run a rinse program without any laundry in the drum.

Cleaning the debris filter

Clean the debris filter 5 or 6 times a year, or when you see the following error message on the display:

1. Open the filter-cover,
   See “Draining the washing machine in an emergency" on page 12.
2. Unscrew emergency drain cap by turning left and drain off all the water.
   See "Draining the washing machine in an emergency" on page 12.
3. Unscrew the filter cap and take it out.

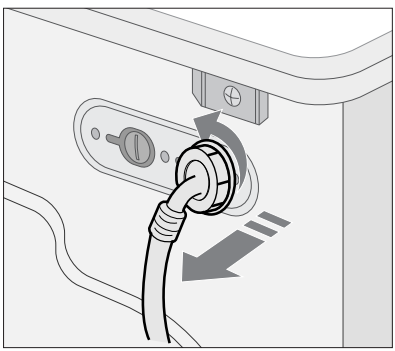
4. Wash any dirt or other material from the filter. Make sure the drain pump propeller behind the filter is not blocked. Replace the filter cap.
5. Replace the filter-cover.

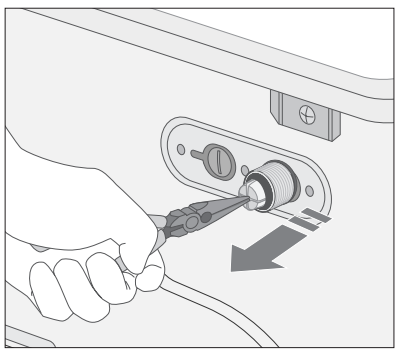
Cleaning the water hose mesh filter

You should clean the water hose mesh filter at least one time per year, or when you see the following error message on the display:

To do this:

1. Turn off the water source to the washing machine.
2. Unscrew the hose from the back of the washing machine.
3. With a pair of pliers, gently pull out the mesh filter from the end of the hose and rinse it under water until clean. Also clean the inside and outside of the threaded connector.





4. Push the filter back into place.
5. Screw the hose back onto the washing machine.
6. Turn on the faucet and make sure the connections are watertight.

Problems and solutions

The washing machine will not start

- Make sure the door is firmly closed.
- Make sure the washing machine is plugged in.
- Make sure the water source faucet is turned on.
- Make sure to press the Start/Pause button.

No water or insufficient water supply

- Make sure the water source faucet is turned on.
- Make sure the water source hose is not frozen.
- Make sure the water intake hose is not bent.
- Make sure the filter on the water intake hose is not clogged.

Detergent remains in the detergent drawer after the wash program is complete

- Make sure the washing machine is running with sufficient water pressure.
- Put the detergents in the inner parts of the detergent drawer(away from the outside edges).

Washing machine vibrates or is too noisy

- Make sure the washing machine is set on a level surface. If the surface is not level, adjust the washing machine feet to level the appliance.
- Make sure that the shipping bolts are removed.
- Make sure the washing machine is not touching any other object.
- Make sure the laundry load is balanced.

The washing machine does not drain and/or spin

- Make sure the drain hose is not squashed or bent.
- Make sure the debris filter is not clogged.

The Door does not open

- The door will not open until 3 minutes after the machine stops or the power turns off.

Understanding error messages

Error displayed	Solution
	• Close the door.
	• Make sure the source water faucet is turned on. • Check the water pressure.
	• Clean the debris filter. • Make sure the drainage hose is installed correctly.
	• Laundry load is unbalanced; loosen any tangled laundry. If only one item of clothing needs washing, such as a bathrobe or jeans, the final spin result might be unsatisfactory and an "UE" error message will be shown in the display window.
	• Call after-sales service.

Before contacting After-Sales service:

1. Try to remedy the problem (See "Troubleshooting" on this page).
2. Restart the programme to see if the fault is repeated.
3. If the malfunction persists, call after-sales service and describe the problem.

Programme Chart

(✻ user option)

PRO-GRAM	Max load (kg)			DETERGENT AND ADDITIVES			Tem (℃)	Spin Speed(MAX)rpm			Delay start	Half Load
	B1445A B1245A B1045A	R1245A R1045A	F1245A F1045A	Pre-wash	wash	Soft-tener	Max	B1445A	B1245A R1245A F1245A	B1045A R1045A F1045A		
Cotton	6.0	5.2	4.5	✻	yes	✻	95	1400	1200	1000	✻	✻
Coloureds	6.0	5.2	4.5	✻	yes	✻	60	1400	1200	1000	✻	✻
Synthetics	3.0	3.0	3.0	✻	yes	✻	60	800	800	800	✻	✻
Delicates	2.5	2.5	2.0	✻	yes	✻	40	800	800	600	✻	✻
Wool	2.0	1.5	1.5	-	yes	✻	40	400	400	400	✻	✻
Handwash	2.0	1.5	1.5	-	yes	✻	40	400	400	400	✻	✻
Quick	2.0	1.5	1.5	-	yes	✻	60	1400	1200	1000	✻	✻

PROGRAM	Type of WASH
Cotton	Averagely or lightly soiled cottons, bed linen, table linen, underwear, towels, shirts, etc.
Coloureds	Averagely or lightly soiled cottons, bed linen, table linen, underwear, towels, shirts, etc.
Synthetics	Averagely or lightly soiled blouses, shirts, etc., Made of polyester (diolen, trevira), polyamide (perlon, nylon) or other similar blends.
Delicates	Delicate curtains, dresses, skirts, shirts and blouses.
Wool	Only machine washable woolens with pure new wool label.
Handwash	Very light wash course like hand wash.
Quick	Lightly soiled cottons or linen blouses, shirts, dark coloured terry cloth, coloured linen articles, jeans, etc.

1. Programme with prewash lasts approx. 15 minutes longer.
2. The programme duration data has been measured under the conditions specified in Standard IEC 456.
3. Consumption in individual homes may differ from the values given in the table due to variations in the pressure and temperature of the water supply, the load and the type of laundry.

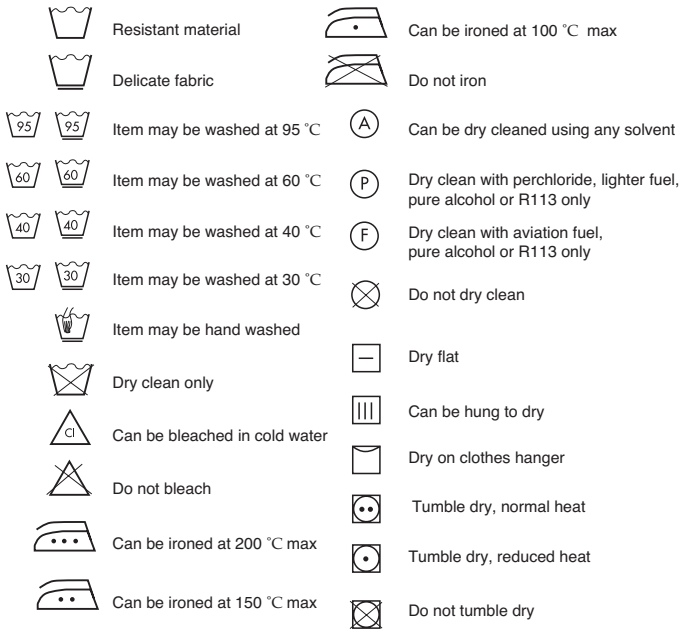
Programme Chart

(✻ user option)

PRO-GRAM	Max load (kg)			DETERGENT AND ADDITIVES			Tem (°C)	Spin Speed(MAX)rpm			Delay start	Half Load
	B1445A B1245A B1045A	R1245A R1045A	F1245A F1045A	Pre-wash	wash	Soft-tener	Max	B1445A	B1245A R1245A F1245A	B1045A R1045A F1045A		
Baby Cotton	6.0	5.2	4.5	✻	yes	✻	95	1400	1200	1000	✻	✻
Baby Coloureds	6.0	5.2	4.5	✻	yes	✻	60	1400	1200	1000	✻	✻
Baby Delicates	2.5	2.0	2.0	✻	yes	✻	60	800	800	600	✻	✻
Baby Stains	6.0	5.2	4.5	✻	yes	✻	40	1400	1200	1000	✻	✻

PROGRAM	Type of WASH
Baby Cotton	Averagely or lightly soiled baby cottons, bed linen, table linen, underwear, towels, shirts, etc.
Baby Coloureds	Averagely or lightly soiled baby cottons, bed linen, table linen, underwear, towels, shirts, etc.
Baby Delicates	Delicate baby dresses, skirts, shirts and blouses.
Baby Stains	Stains on cottons, bed lined, underwear, towels, etc. caused by food spills and urine.

Fabric care chart


Resistant material
Delicate fabric
95 95
Item may be washed at 95 ˚C
60 60
Item may be washed at 60 ˚C
40 40
Item may be washed at 40 ˚C
30 30
Item may be washed at 30 ˚C
Item may be hand washed
Dry clean only
Cl
Can be bleached in cold water
Do not bleach
Can be ironed at 200 ˚C max
Can be ironed at 150 ˚C max
Can be ironed at 100 ˚C max
Do not iron
A
Can be dry cleaned using any solvent
P
Dry clean with perchloride, lighter fuel, pure alcohol or R113 only
F
Dry clean with aviation fuel, pure alcohol or R113 only
Do not dry clean
Dry flat
Can be hung to dry
Dry on clothes hanger
Tumble dry, normal heat
Tumble dry, reduced heat
Do not tumble dry

Electrical warnings

To reduce the risk of fire, electrical shock, and other injuries, keep these safety precautions in mind:

- Operate the appliance only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied to your home, consult your appliance dealer or local power company.
- Use only a grounded or polarized outlet. For your safety, this appliance is equipped with a polarized alternating current line plug having one blade wider than the other. This plug will fit into the power outlet only one way. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug still doesn't fit, contact your electrician to replace your outlet.
- Protect the power cord. Power supply cords should be routed so that they are unlikely to be walked on or pinched by items placed on or against them. Pay particular attention to cords at plugs, convenience receptacles, and the point where they exit from the unit.
- Do not overload the wall outlet or extension cords. Overloading can result in fire or electric shock.

Protecting the environment

- This appliance is manufactured from recyclable materials. If you decide to dispose of this appliance, please observe local waste disposal regulations. Cut off the power cord so that the appliance cannot be connected to a power source. Remove the door so that animals and small children cannot get trapped inside the appliance.
- Do not exceed the detergent quantities recommended in the detergent manufacturers' instructions.
- Use stain removal products and bleaches before the wash cycle only when strictly necessary.
- Save water and electricity by only washing full loads (the exact amount depends upon the program used).

Declaration of conformity

This appliance complies with European safety standards, EC directive 93/68 and EN Standard 60335.

Specification

TYPE	FRONT LOADING WASHER							
DIMENSION	B1445A, B1245A, B1045A			R1245A, R1045A			F1245A, F1045A	
	W598mm×D550mm×H844mm			W598mm×D450mm×H844mm			W598mm×D404mm×H844mm	
WATER PRESSUERE	50 kPa ~ 800 kPa							
WATER VOLUME	54 *l*			49 *l*			48 *l*	
NET WEIGHT	73 kg			69 kg			62 kg	
WASH and SPIN CAPACITY	6 kg (DRY LAUNDRY)			5.2 kg (DRY LAUNDRY)			4.5 kg (DRY LAUNDRY)	
POWER CONSUMPTION	MODEL	B1445A, B1245A, B1045A		R1245A, R1045A			F1245A, F1045A	
	WASHING AND HEATING	220V	2000W	220V	1900W		220V	1800W
		240V	2400W	240V	2200W		240V	2100W
	SPIN MODEL	B1445A	B1245A	B1045A	R1245A	R1045A	F1245A	F1045A
	SPIN 230V	550W	500W	500W	550W	500W	250W	220W
	PUMPING	34W						
PACKAGE Wt	MODEL	B1445A, B1245A, B1045A			R1245A, R1045A		F1245A, F1045A	
	PAPER	2.5kg			2.1kg		1.9kg	
	PLASTIC	1.0kg			0.9kg		0.8kg	
SPIN REVOLUTION	MODEL	B1445A			B1245A , R1245A, F1245A		B1045A,R1045A, F1045A	
	rpm	1400			1200		1000	

Contact SAMSUNG WORLD WIDE
If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care center.